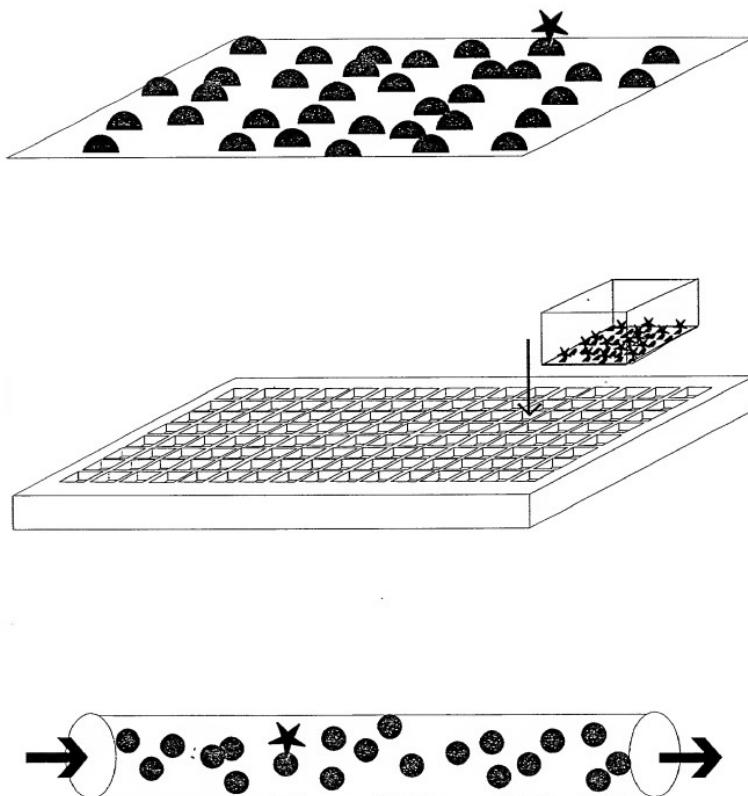


FIG. 1



09845000 "042701"

FIG. 2

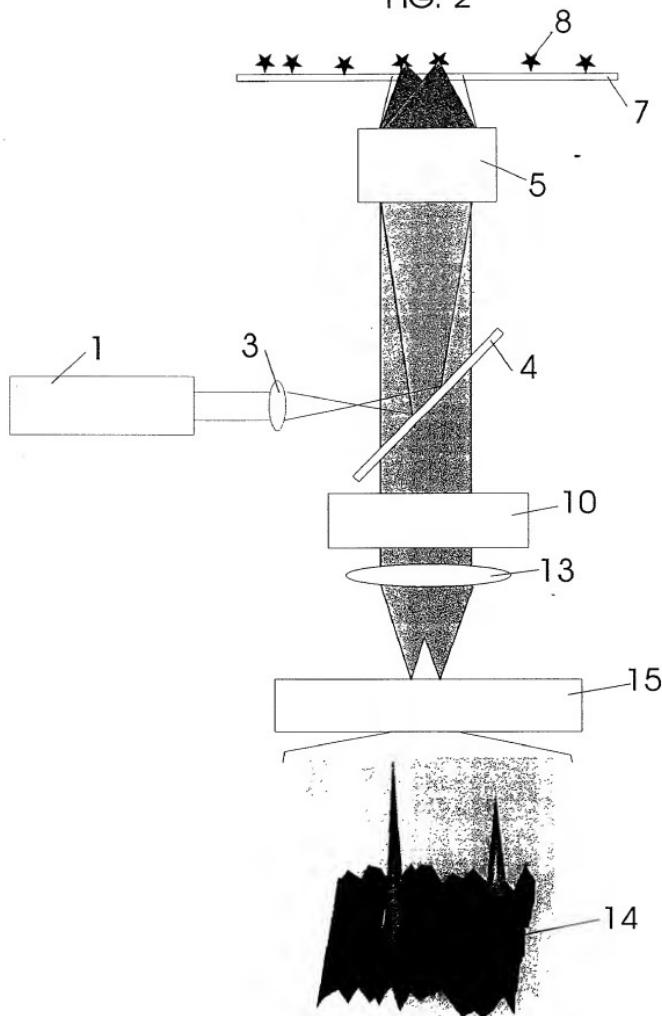
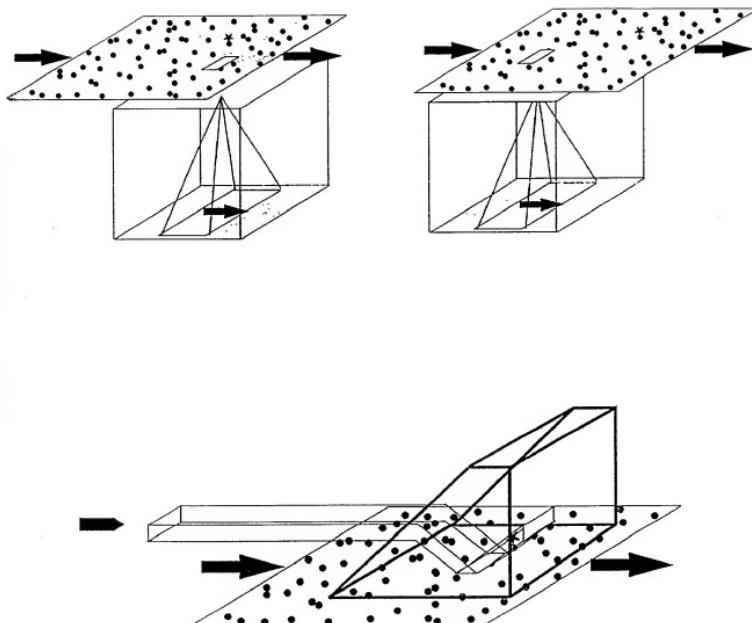


FIG. 3



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FIG. 4

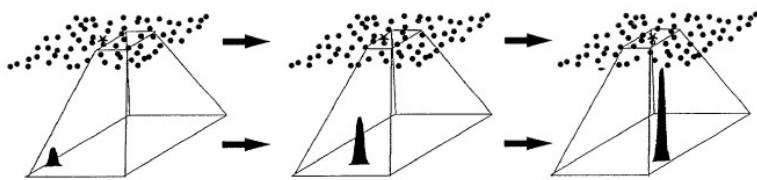


FIG. 5

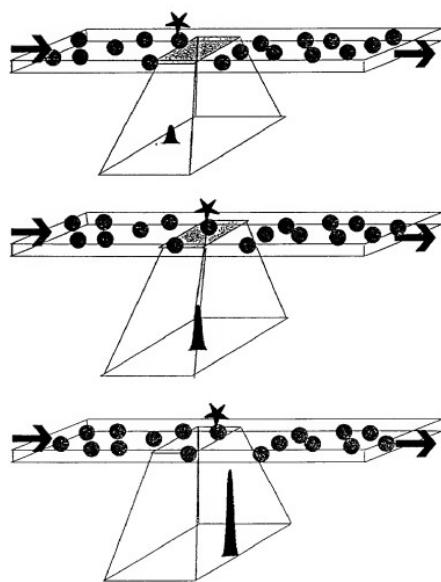
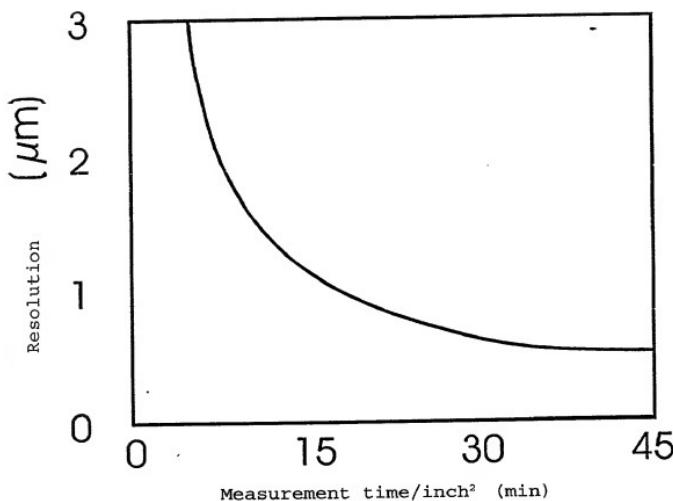


FIG. 6



for typical characteristics of CCD cameras (cooled with liquid N_2): 1300 \times 1340 pixels (250 \times 250 μm) line shift rate 300 KHz, read-out rate 1 MHz, read-out noise \sim 7 counts per pixel, dark noise \sim 0. Objective with 40-fold magnification, illuminated area = area pixel array/40 \times 40 = 400 $\mu\text{m} \times$ 100 μm ; light intensity maintained at 250 counts per fluorophore

FIG. 7

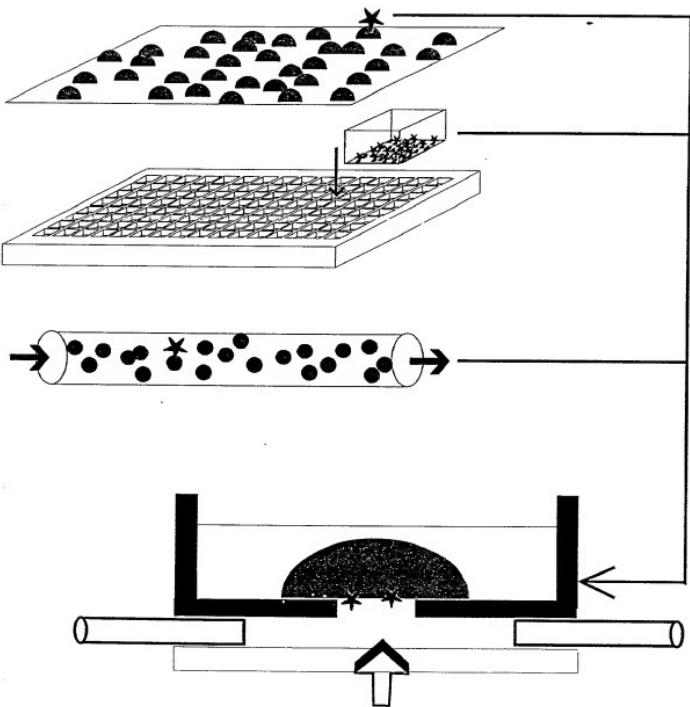
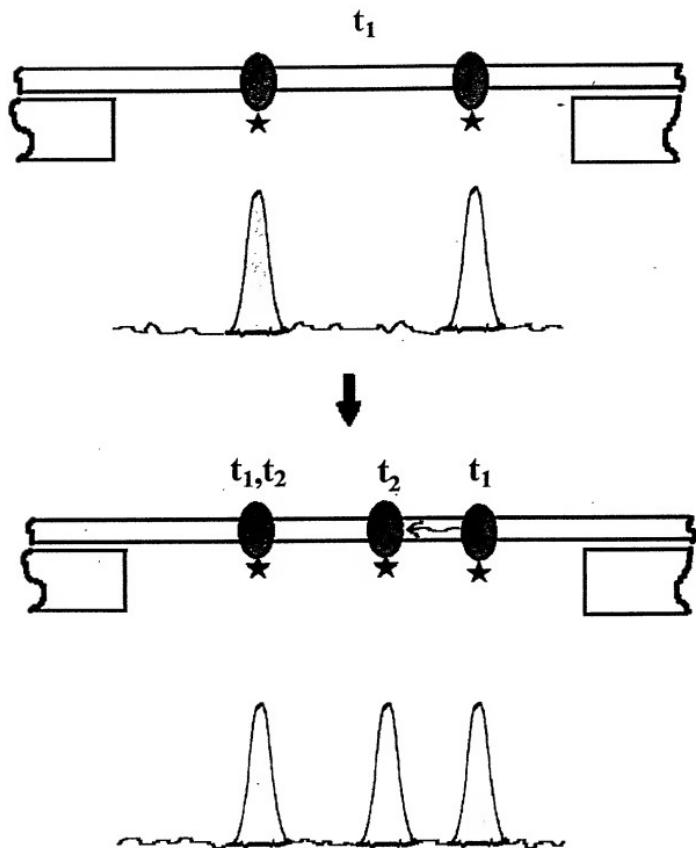
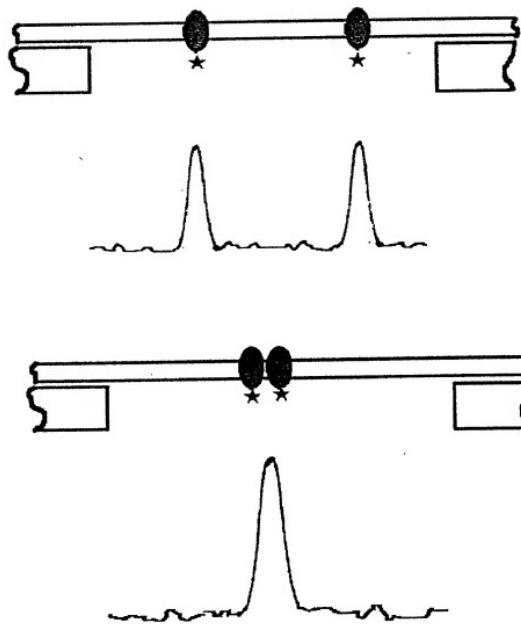


FIG. 8



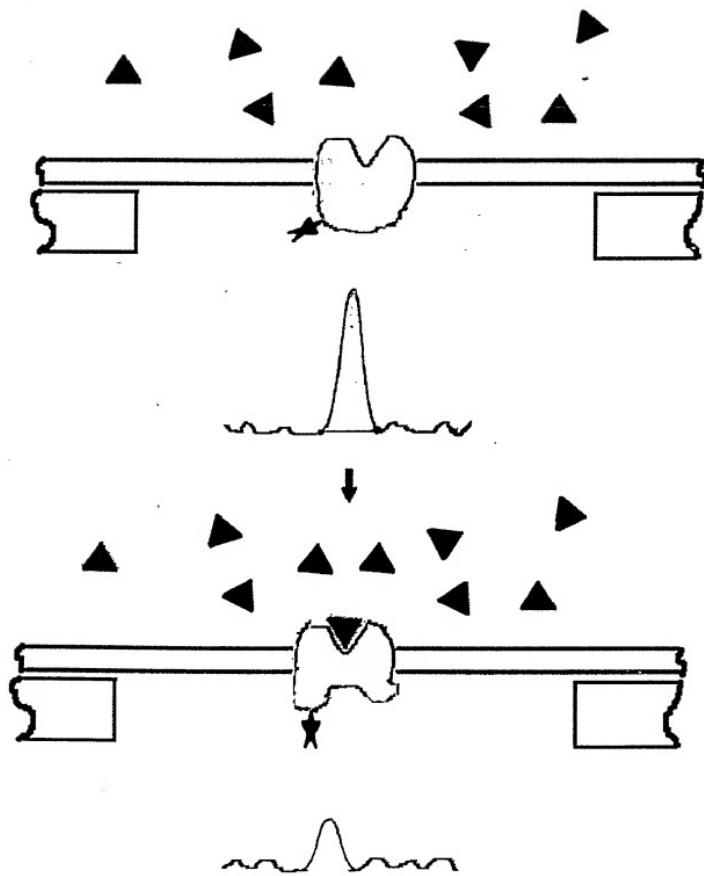
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FIG. 9



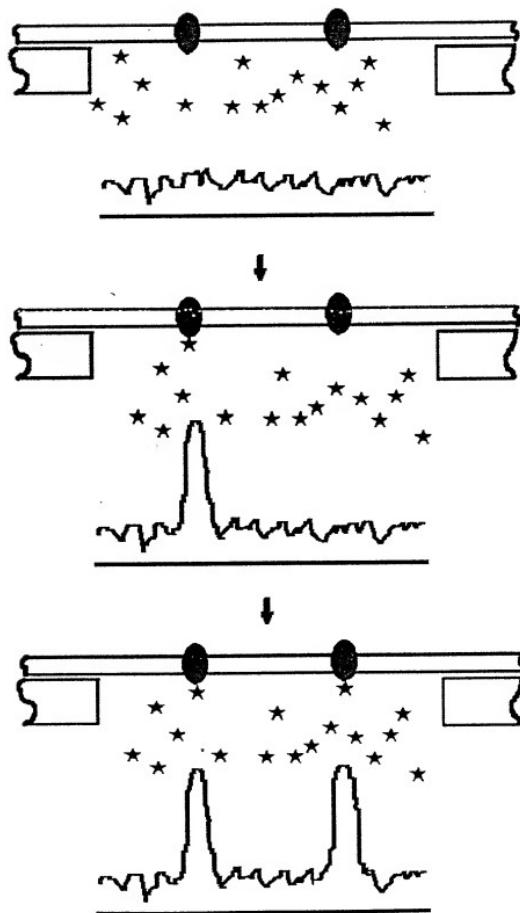
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FIG.10



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FIG. 11



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FIG. 12

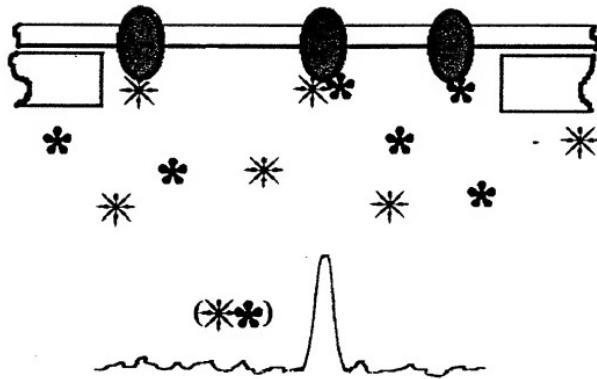
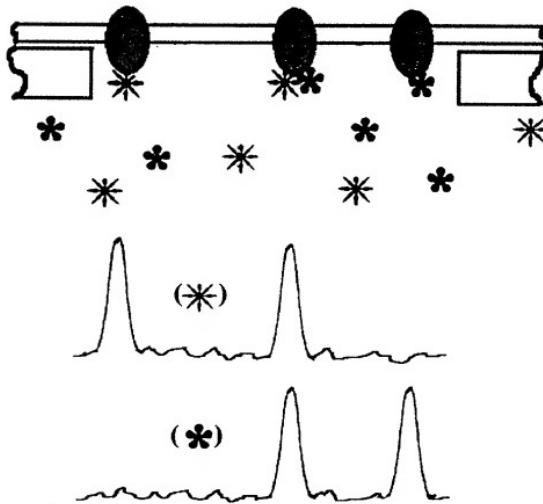
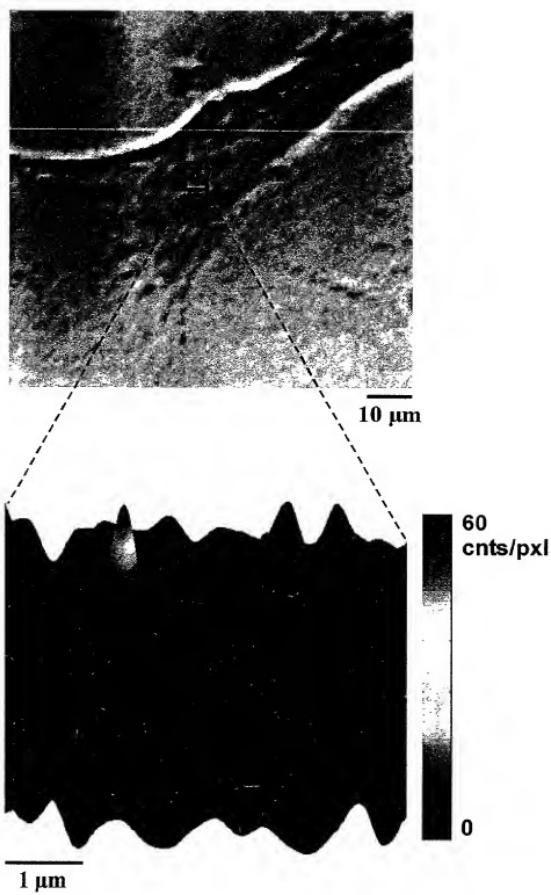


FIG. 13



00045006 042701

Fig.14



09845006-042701

Fig.15

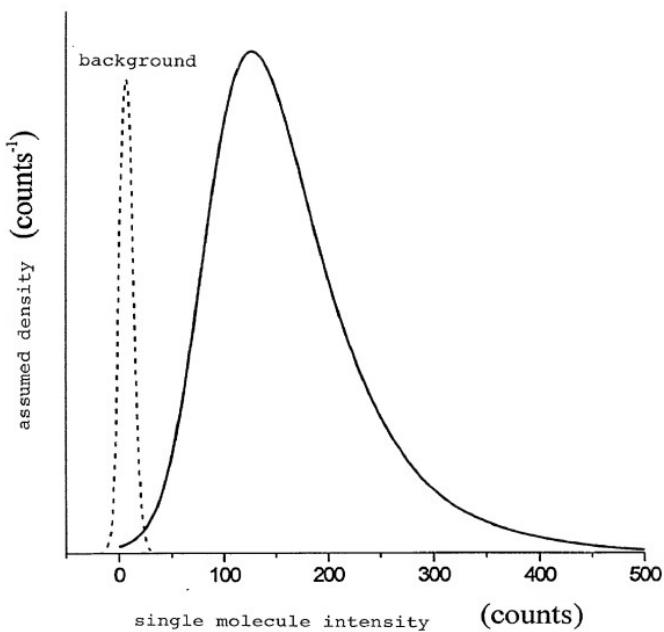


Fig. 16

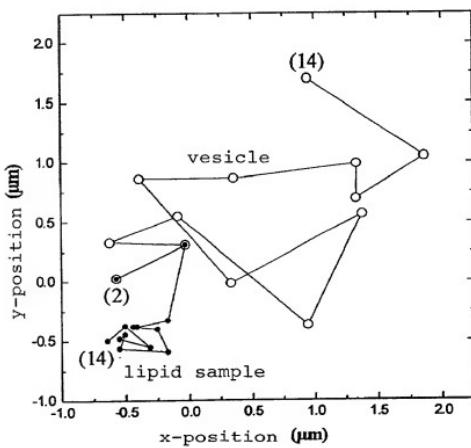
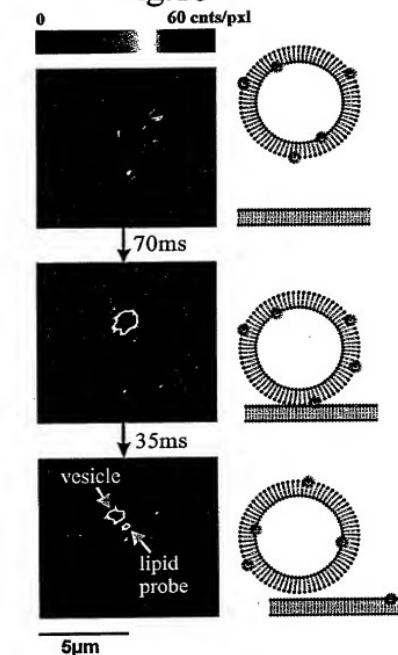


Fig. 17

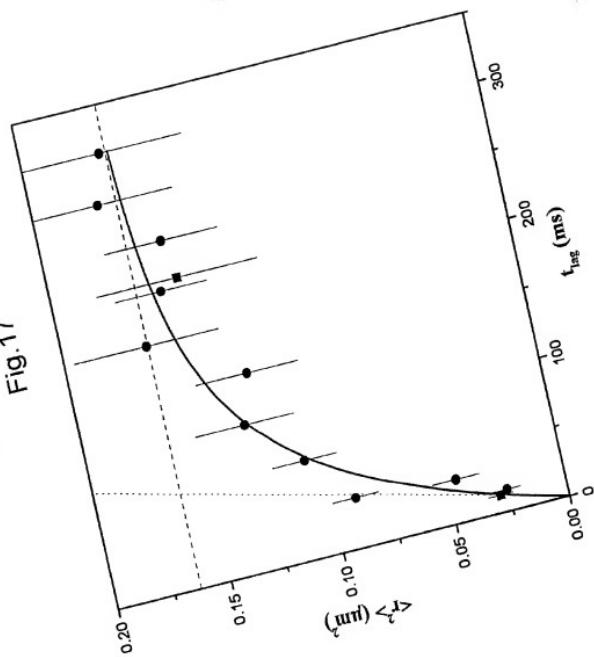


Fig. 18

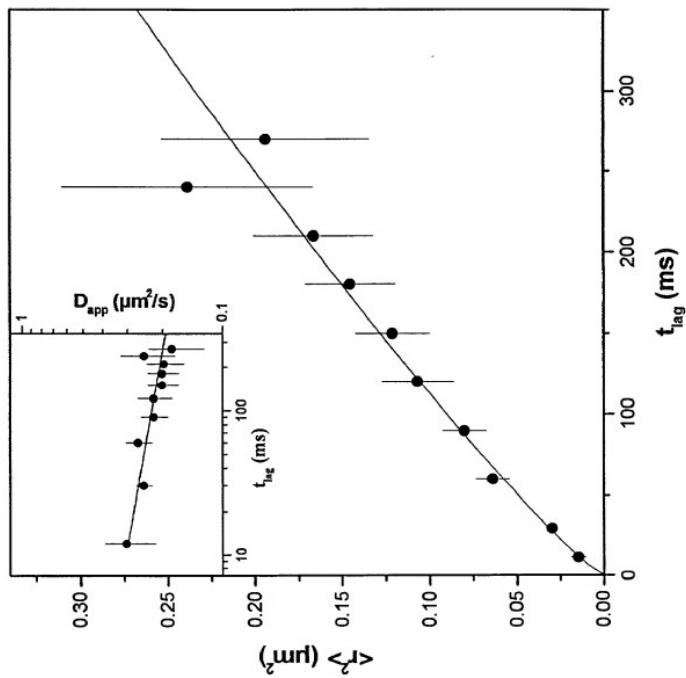
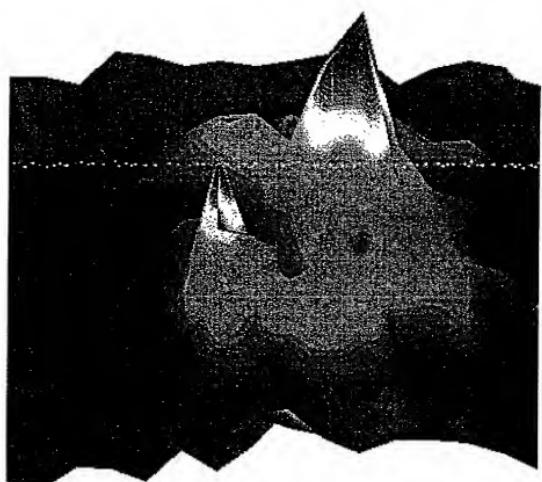


FIG. 19



0.9845006, 0.42701

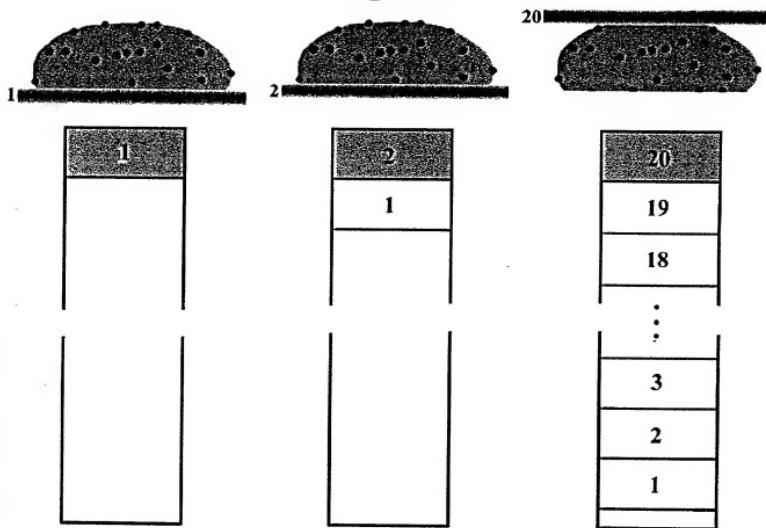
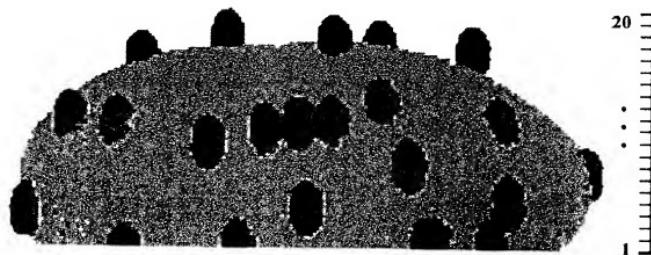
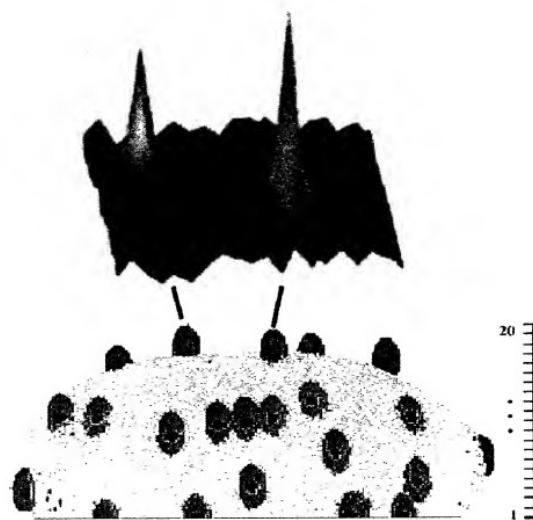
Fig. 20A**Fig. 20B**

FIG. 20C



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FIG. 21

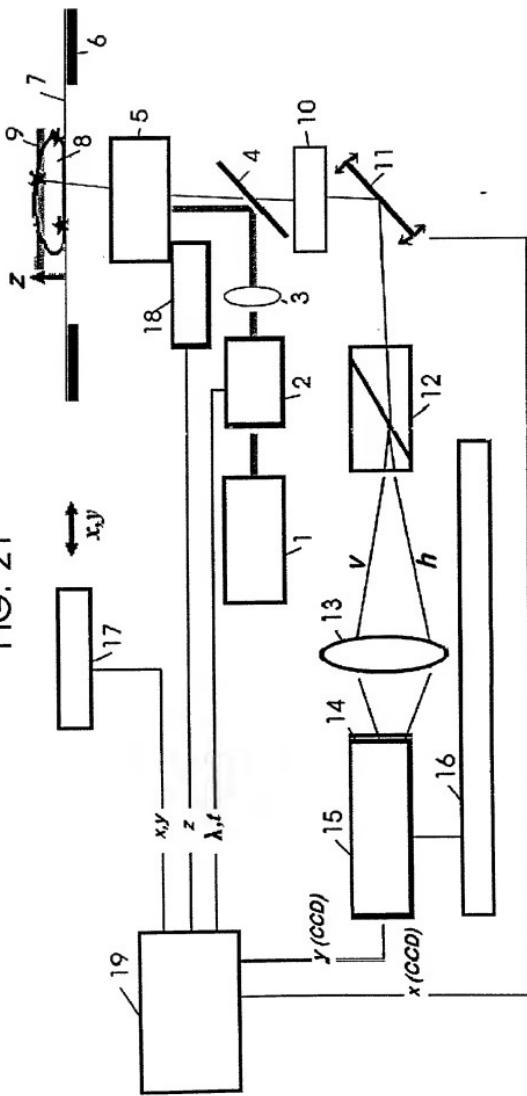


FIG. 22

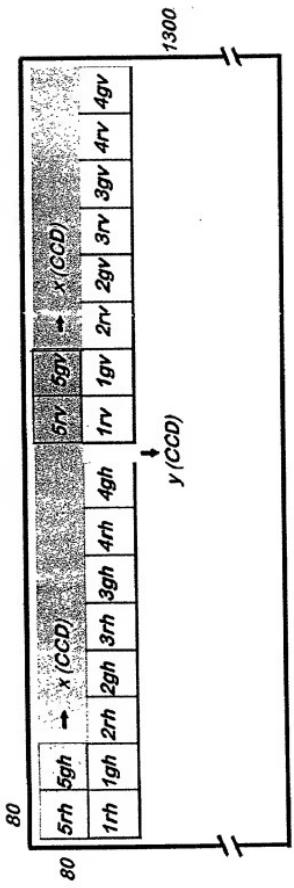


FIG. 23

